

### What is Augmented Reality?

On January 25, 2023, Police Commissioner Sewell presented her vision for Augmented Reality at the State of the NYPD. The NYPD would be the first law enforcement agency in the country to utilize augmented reality technology to fight crime.

#### NYPD Augmented Reality Application

- Utilizes pre-existing department data
- The application is currently being built by ITB and it will run on the DAS platform
- The application will display the following data to UMOS:
  - Active Warrants, I-Cards, Parolees, Probationers, Recidivists, Shootings/Homicides, Prior 24-Hour Events, EDP History, DV Incidents, etc.
- The application does not utilize facial recognition or artificial intelligence.
- The overarching goal of the application is to offer UMOS the ability to view department data in a more rapid and user-friendly manner, and to ultimately enhance officer and public safety.

#### Proof of Concept

The Augmented Reality "Proof of Concept" is essentially the first portion of the application testing/evaluation process

- This phase of the project was implemented on the week of May 1, 2023.
- Test users (UMOS) will be utilizing a pre-existing ESRI Augmented Reality application, which will be the inspiration for the NYPD Augmented Reality application.
- The test users are limited to 20 UMOS from PSA 3. The UMOS are assigned to special operations based roles such as NST, Conditions, DV and NCO.
- UMOS will have the ESRI application deployed to their department smartphones for a period of 30 days.
- UMOS will provide feedback and user-experience data. UMOS will also participate in focus groups with the application developers to ensure the end-product is tailored to the needs of UMOS on patrol.
- The Department will provide UMOS with policy, guidelines and training prior to deploying the technology.
- At the conclusion of the "Proof of Concept" phase, ITB will remove the application from the UMOS's department smartphones.

#### Pilot Program

The Augmented Reality "Pilot Program" is the second portion of the testing/evaluation process and will coincide with the roll-out of the ITB application

- The Department intends to pilot the technology in PSA 3 and the corresponding patrol commands for a period of three (3) months.
- UMOS will be trained prior to the pilot program.
- The Department will conduct an evaluation of the application. Upon successful evaluation, the Department intends to launch the application citywide, to all UMOS in Q4 of 2023.

#### Additional Information

The Department has created policy (Operations Order 23 of 2023) and has published amendments to the POST Act to ensure compliance with legislation.

The Department will develop a plan for public comment and will allow for a 30-day public comment period prior to the pilot program.

### Proof of Concept

The Department has created an augmented reality application (AuGeo) to provide uniformed members of the service (UMOS) in the field with information that will enhance situational awareness while simultaneously improving public safety. The application will be launched as a proof of concept to gauge overall user experience to inform the development of the application.

### Functionality

While logged into the application, UMOS may hold their mobile devices toward a location and the camera display will augment, enabling the viewing of additional geospatial data, as well as, the ability to interact with the data by selecting individual sources for a more detailed view. Data sources available to the user include:

- a. Probable Cause to Arrest Investigation Cards (I-Card),
- b. Active warrants,
- c. Active parolees,
- d. Active probationers,
- e. Active gang members via Enterprise Case Management System (ECMS),
- f. Recidivists, and
- g. Shooting incidents.

### Timeline

This application will be accessible to select UMOS assigned to Police Service Area (PSA) 3 via Department mobile devices for **30 days**.

### Future Development

After the 30-day proof of concept, access to the application will be removed. The Information Technology Bureau (ITB) will conduct (2) focus groups to get user feedback from UMOS who utilized the application. This feedback will enable ITB to further develop the application in anticipation for a potential pilot program.

### Limitations/Legal

The application does not have recording capability and does not employ facial recognition technology. Functionality is based on physical location, therefore no data is linked to an individual's face. The Post Act was updated to include the use of this technology.